

**BACHELOR OF COMPUTER APPLICATION**  
**Fourth Semester**  
**PROGRAMMING WITH VB .NET**  
**(BCA - 18)**

**Duration: 3Hrs.**

**Full Marks: 70**

PART A (Objective) =20  
PART-B (Descriptive)=50

**PART-B (Descriptive)**

**Duration: 2 hrs. 40 mins.**

**Marks: 50**

**1. Answer the following questions (any five):**

**2×5=10**

- a) Write two vb.NET framework features.
- b) What are the dissimilarities between vb.NET and JAVA?
- c) What is the difference between checkbox and radio button?
- d) Mention any 2 properties of ListBox.
- e) What do you mean by MSIL?
- f) Write down the two features of object oriented programming languages?
- g) How to add a Text Box during runtime?

**2. Answer the following questions (any five):**

**3×5=15**

- a) How are variables declared in vb.NET?
- b) What are string functions in vb.NET
- c) Explain various Dialog Boxes with properties and Methods very briefly.
- d) Explain listbox and combobox control with its properties and methods very briefly.
- e) What do you understand by ADO.Net?

- f) Write a code to insert a picture on bottom control at run time and also a picture at bottom right.
- g) What is CLR? Write the importance of CLR in vb.NET.

**3. Answer the following questions (any five):**

5×5=25

- a) What are the common controls in vb.NET? Explain Briefly.
- b) Describe the components of IDE in vb.NET.
- c) What is Array? Explain the creation and using of two dimensional of Array.
- d) Write a function to for ADD ID and ADD SCORE button. For the ADD ID button, once clicked, ID will added to IdListBox while once click the ADD SCORE button, score will be added to ScoreListBox. If there is no value in ID text or Score textbox, the system will pop out a message dialog to inform the user "Invalid Input". Figure 1.1 shows the output.

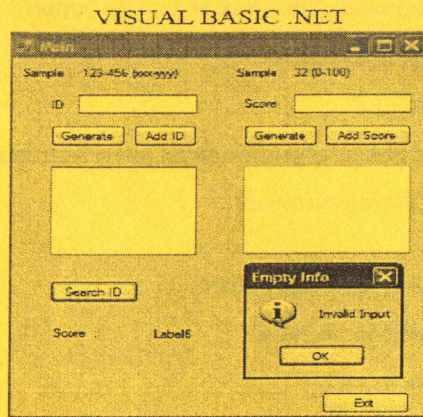


Figure 1.1

- e) Describe .NET framework features and architecture.
- f) Explain the Procedure to Connecting with Database. Write down the program to store data into database having Name (Textbox), Salary(Textbox), Male/Female (Radio Button).
- g) What is data provider? Explain important components of a data provider.

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**Duration: 20 minutes**

**Marks – 20**

**PART-A (Objective)**

**Time: 20 mins**

**Total Marks: 20**

**I. Choose the correct option:**

**1×20=20**

- Which is not a main component of the visual studio IDE?  
i) Solution Explorer                      ii) Tool Box  
iii) Start Menu                              iv) Designer Window
- Which are the standard prefixes for the Button and Combo box controls respectively in .NET?  
i) Btn and chb                              ii) btn and cbo  
iii) bto and cbb                              iv) cmd and cbo
- Visual Studio .NET provides which feature:  
i) Debugging                                ii) Application deployment  
iii) Syntax checking                        iv) Both a and b
- Which is not a property of the Common control class?  
i) Show                      ii) BackColor                      iii) Font                      iv) ForeColor
- VB.Net identifiers:  
i) are case sensitive                      ii) can begin with an underscore  
iii) can begin with a number                      iv) Both a and b
- The activated event is found in which object:  
i) Button                      ii) Form                      iii) TextBox                      iv) ListBox
- Which is not a valid value for the ListBoxSelectionMode Property?  
i) None                      ii) One                      iii) MultiSimple                      iv) MultiExtended
- The Items property of a ComboBox:  
i) is a collection of items                      ii) is the same as the Items property of a ListBox  
iii) contains methods and properties                      iv) All of the above
- Which property determine whether a control is displayed to the user  
i) Hide                      ii) Show  
iii) Visible                      iv) Enable

- What is the most number of states a CheckBox can have?  
i) 0                      ii) 1                      iii) 2                      iv) 3
- Which is a type of procedure found in VB.Net?  
i) Event                      ii) Function  
iii) Sub                      iv) All of the above
- Which event is activated when a RadioButton is selected?  
i) Checked                      ii) CheckedChanged  
iii) Selected                      iv) SelectedChanged
- How many RadioButtons in a Group Box can be selected at the same time?  
i) 0                      ii) 1                      iii) 2                      iv) 3
- Which OpenFileDialog control property specifies the choices in the "Files of type" dropdown box?  
i) FileName                      ii) FileNames  
iii) FileType                      iv) Filter
- Which is a valid statement for declaring a variable?  
i) Const Form As Integer                      ii) ConstmyForm As Integer  
iii) Dim Form As Integer                      iv) Dim myForm As Integer
- Dim count As Integer = 2  
Do  
  MessageBox.Show("USTM")  
  count = count + 2  
  Loop While count > 10  
  
How many times will the MessageBox. Show method in the code above be processed?  
i) 1                      ii) 4                      iii) 5                      iv) 10
- The tick even is found only in which object  
i) Timer                      ii) ListBox                      iii) Clock                      iv) Count
- You use the \_\_\_\_\_ method to add items to a list box.  
i) AddList                      ii) Item                      iii) AddItems                      iv) Add
- COM stands for  
i) Component object model                      ii) Connected object model  
iii) Corrected object model                      iv) None of above
- Which language is not a true object-oriented programming language?  
i) VB.NET                      ii) VB 6                      iii) C++                      iv) C#                      v) Java

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